

ARCHITECTURE

LAYER 3 Institutional Compliance

- Policy Controls (whitelists / restrictions)
- AML Monitoring (Merkle Science)
- Selective Disclosure (view keys)
- Audit & Reporting

LAYER 2 Prism Privacy Engine

- PLONK Zero-Knowledge Proofs
- Shielded Transactions & Addresses
- Commitment + Nullifier Model
- Optional Privacy (policy-driven)

LAYER 1 VerifiedX Core

- State Tree Ledger
- Validator Consensus
- Deterministic Finality
- Full On-Chain Auditability

VISIBILITY MODEL

PUBLIC VIEW

- Transaction Validity
- State Integrity
- Proof Verification

REGULATOR / INSTITUTIONAL VIEW

- Selective Disclosure (View Keys)
- Counterparty Visibility
- AML / Risk Monitoring
- Full Audit Trail (when required)

No Mixing / No Commingling

Policy-Driven Privacy Controls

ZK Proof Verification (No Data Exposure)

Private by Design • Transparent by Control • Auditable by Requirement